

Fig. 1

Fig. 2

Require: Set of Features satisfied by Set of Attributes

<u>3 0</u> Printer Configuration	
<u>3 1</u> Management Information Base (MIB)	
Printer profile	= Non-configurable + Configurable Component Profile
Set of Attributes	Properties Profile
attribute1:aname1;avalue1 attribute2:aname2;avalue2 ⋮	Property Values property1:pname1;pvalue1 property2:pname2;pvalue2 ⋮
	Configuration Settings configuration1:cname1;cvalue1 + configuration2:cname2;cvalue2 ⋮

<u>4 0</u> Print Job	
<u>4 1</u> Job ticket and/or Print data	
Print Job Requirements	
Set of Features	feature1:fname1;fvalue1 feature2:fname2;fvalue2 ⋮

Typical ASCII Job Ticket

```
%XRXbegin:      1.31
%XRXdisposition: PRINT
%XRXsenderName:
%XRXtitle:      PostScript File
%XRXcopyCount:   1
%XRXpaperType-size: 216 279
%XRXdocumentPaperColors: white
%XRXpaperType-opacity: opaque
%XRXpaperType-preFinish: Plain 0 0
%XRXrecipientName:
%XRXrequirements: simplex
%XRXsignature:   FALSE
%XRXsourceFile:  ...
%XRXdeleteSource: FALSE
%XRXxImageShift: 5
%XRXyImageShift: 0
%XRXend
```

Fig. 3

```
job: {
    name      medium-1 ,
    label     "Job Medium 1 : ABC Inc." ,
    stream    "stream1"
}

stream: {
    type      sequence ,
    name      "stream1" ,
    streams   ( stream2 stream3 ) }

stream: {
    type      PDL-PCL ,
    name      "stream2" ,
    data      "cover.prn",
    requires ( { resource Paper,
                 attribute stockname,
                 value      "coloured paper"}
    ) }

stream: {
    type      PDL-PCL ,
    name      "stream3" ,
    data      "med_job1.prn",
    requires ( { resource Paper,
                 attribute stockname,
                 value      "ABC paper type1"}
    ) }
```

Fig. 4

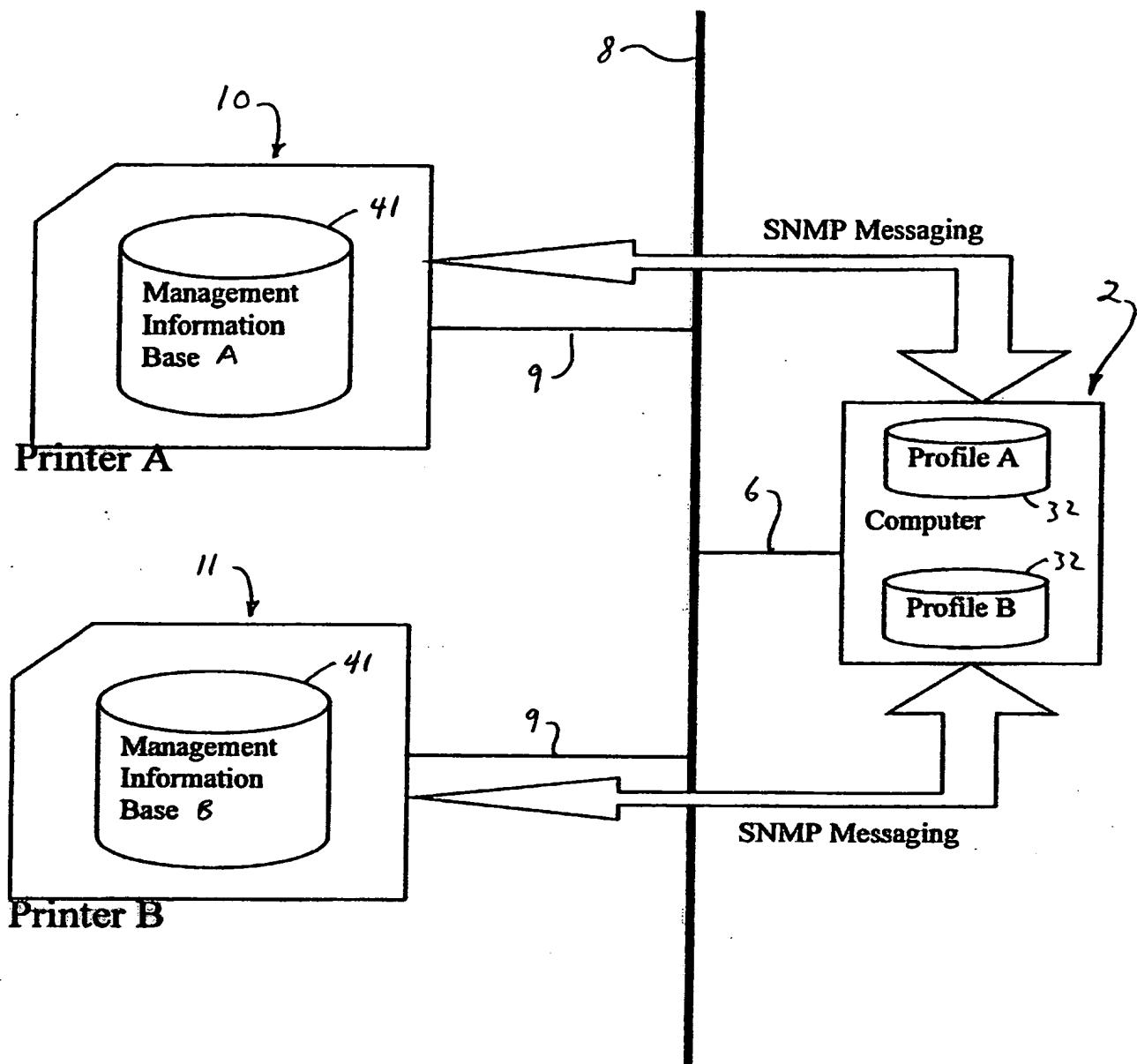
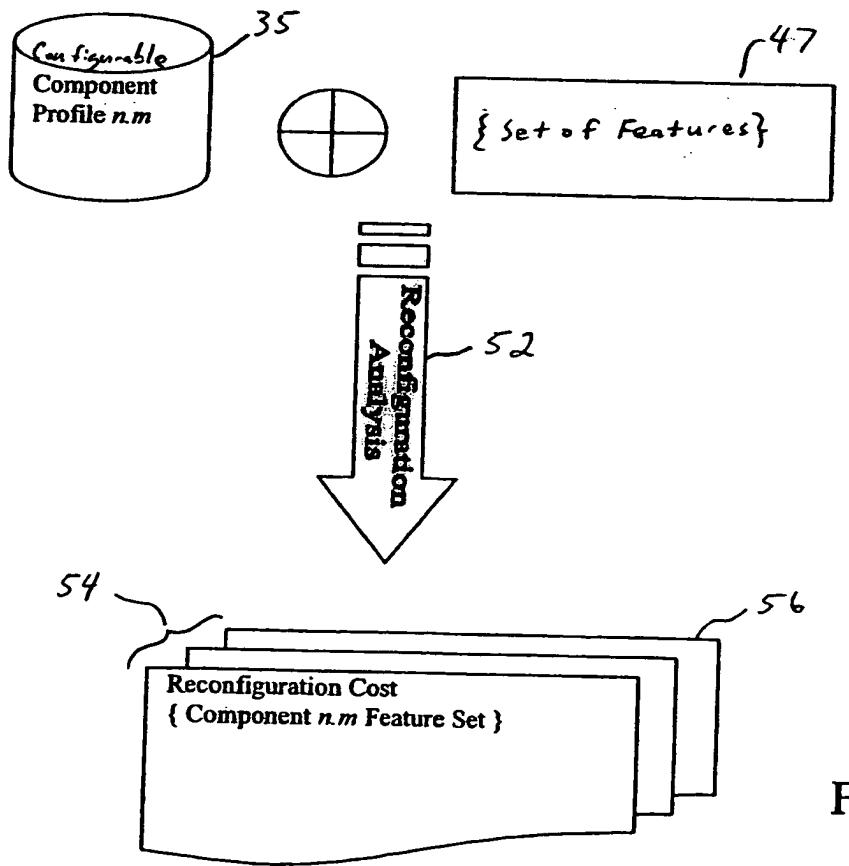
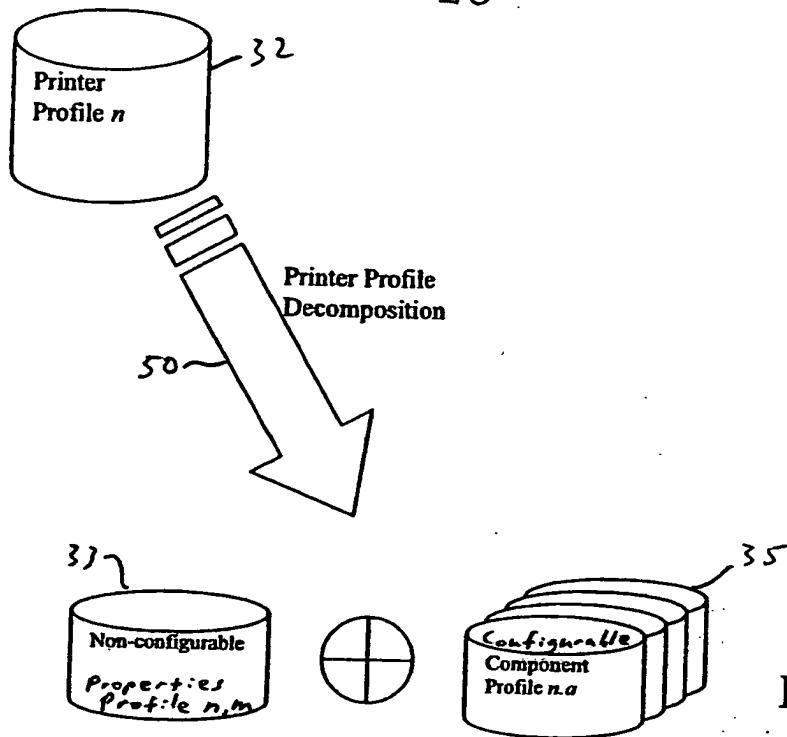


Fig. 5

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A set of possible component
reconfigurations

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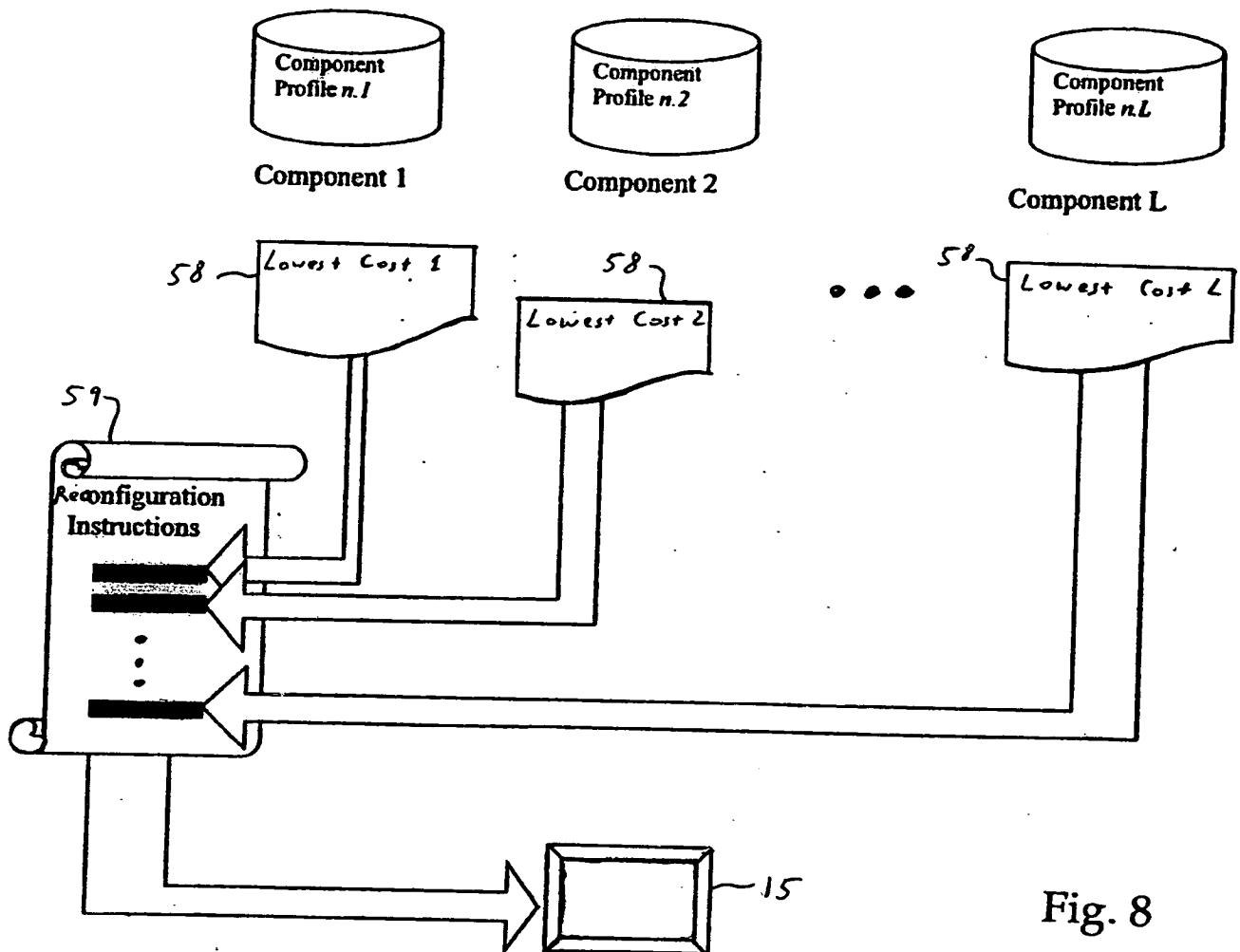


Fig. 8

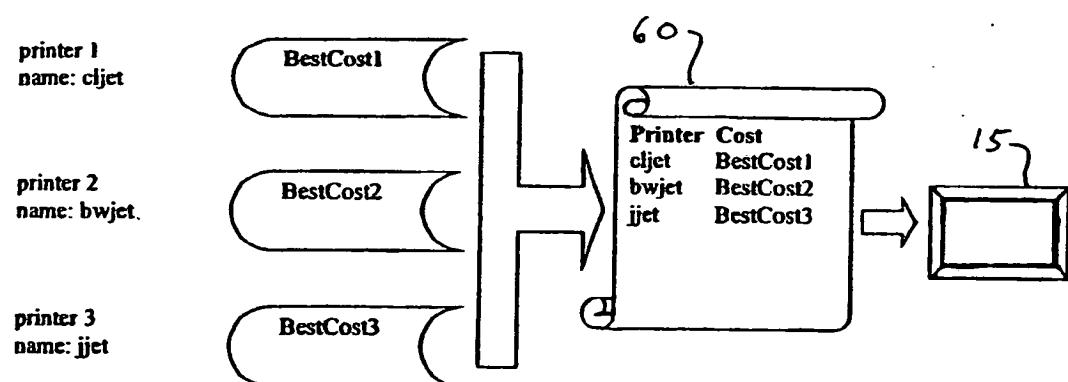


Fig. 9